Technical Data Sheet N.° 2022-044

H I-F L E X C A B L E S

DESCRIPTION	SPECIFICATIONS							
ICC code	CE001000D	CE002000D	CE003000D	CE004000D	CE005000D	CE006000D	CE007000D	CE008000D
Nominal size mm^2	1X10	1X16	1X25	1X35	1X50	1X70	1X95	1X120
Outer cable diameter *mm*	7.3±0.3	8.7±0.3	10.5±0.4	12.0±0.4	13.8±0.4	15.9±0.5	18.2±0.5	20.1±0.6
Minimum insulation thickness *mm*	1.16		1.25	1.43		1.61	1.70	
Average insulation thickness *mm*	1.4		1.5	1.7		1.9	2.0	
Nominal Conductor construction *wires X Ø mm*	138 X 0.3	222 X 0.3	348 X 0.3	492 X 0.3	696 X 0.3	996 X 0.3	1308 X 0.3	1680 X 0.3
Max. cond. resistance a 20°C *ohm/km*	1.91	1.21	0.780	0.554	0.386	0.272	0.206	0.161
Marks	HI-FLEX "SIZE" mm^2 450/750V 70°C CE MADE IN EC							
Conductor	Extra Flexible bare copper rope (Class 5 IEC 60228)				Extra Flexible bare copper rope (Class 6 IEC 60228)			
Insulation	Soft PVC (*)							
Insulation Hardness	70± 5 Shore "A"							
Temperature rating:	**+5°C ÷ +70°C** (mobile use) ÷ **-30°C ÷ +70°C** (stationary use)							
Nominal Voltage Uo/U	450/750 V							
Colour	Black							

(*)The cable has been tested according standard ISO 6722-1:2011 for insulation Class A -40°C +85°C for the following proofs, with positive results:
- Automotive's fluid compatibility
- Mechanical characteristics (tensile strenght and elongation to break, pressure test at high temperature , low temperature winding and cold impact at -40°C).
In base of this we can declare the cable conform with standard ISO 6722-1:2011 insulation Class A -40°C +85°C relatively the above mentioned proofs.
NB: the conductor is NOT part of this declaration.

Further details. drawings or other specs.

- Flame ratardant: according to IEC60332-1 ÷ CEI EN 50265
- Minimum bending radius: six times the outer diameter.
- RoHS compliant

REV. N°	*DESCRIPTION*	*DATA*	*SIGNATURE*
0	1st Emission	23/03/2022	Lorenzi D.

- The values of this technical data sheet may be varied without notification as a consequence of modification and/or improvements deemed necessary by the manufacturer.